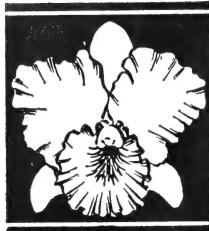


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★ MAR 9 - 1956 ★
U.S. Department of Agriculture



Shaffer's Orchids

1956



Cattleya Hybrid Seedlings

| Pot | Price per each | Price per 10 |
|--------|-------------------|-----------------|
| 1 1/2" | \$ 1.50 | \$ 13.50 |
| 2" | \$ 2.00 | \$ 17.50 |
| 2 1/2" | \$ 3.00 | \$ 26.50 |
| 3" | \$ 4.00 | \$ 37.50 |
| 4" | \$ 6.50 | \$ 60.00 |
| 5" | \$10.00 | \$ 90.00 |
| 6" | \$12.50 | \$115.00 |

Plant bands 2 1/4" x 2 1/4" same as 2" pots.

LAVENDER

20—LC. PRINCESS MARGARET X LC. LUDGATE

Showy dark blooms with brilliant, solid purple lip and throat. Winter Spring
Sizes 1 1/2", 2" and 2 1/2"

23—LC. EL CAPITAN X C. GERTRUDE HAMPTON

Winter bloomer of heavy texture and very fine shape. Sizes 2", 2 1/2", and 3"

33—C. ENID X LC. CUESTA

Varied season, large flowers, dark, full lip. Sizes 4", 5", and 6"

133—LC. MOSS BEACH

Spring flowering, well shaped, color better than average. Sizes 5" and 6"

367—C. PILGRIM

A March bloomer, remake of a good cross. Sizes 4" and 5"

675—C. REMY CHOLET 'PIERRES' X BC. HARTLAND

Heavy Bloomer, dark colored brasso. Size 2 1/2"

793—LC. MARY NOBLE

Fast grower and good bloomer. Season varied. Size 5"

937—LC. PACIFIC

Heavy texture, good shape. Fall, Winter bloomer. Sizes 3" and 4"

990—LC. SWANEE RIVER

Fine Spring bloomer. Size 5"

1001—LC. SARASOTA X LC. JACQUINETTA 'HELENA'

Heavy texture, free bloomer Fall and Winter. Size 3"

1108—LC. ATLANTIS NO. 10 X LC. ELISSA 'PIEDMONT'

Large, extra good shape, dark flower. Sizes 3" and 4"

1131—C. FABIA

A controllable C. Labiata hybrid. Fall bloomer. Size 2 1/2"

1663—BLC. DAWN ANGELINA X LC. WINDERMERE 'CLOVELLY' AM. RHS.

Fine shape, good color, good bloomer. Winter bloomer. Size 1 1/2"

WHITE

34—C. ESTELLE X C. MYRA PETERS

A Spring bloomer. Fine grower. Sizes 3", 4" 5" and 6"

80—C. LABIATA ALBA 'PRINCE OF WALES' X C. BOW BELLS

A Fall blooming white. Size bare root from flats 2" high—\$1.25 each

90—C. WHITE BLOSSOM

Blooms through the Winter. Sizes 5" and 6"

137—C. BARBARA BILLINGSLEY X C. WHITE SAILS

Winter bloomer, nice shape. Sizes 3", 4" and 5"

971—C. EDITHIAE 'ALBERTS' X OENONE 'ALBA'

Easter gem, medium size. Multiple annual growth. Spring bloomer. Size 3"

1586—C. BOW BELLS 'HONOLULU' SELFED

Fall bloomer. The best! Size 1 1/2", 2", 2 1/2"

Cattelya Hybrid Seedlings

YELLOW BRONZE

1103—BLC. MUNTELLA X BLC JANE HELTON

A large Winter blooming flower of nice quality.
Plant Bands $2\frac{1}{4}$ " x $2\frac{1}{4}$ "



1130—C. GRANULOSA X C. ROSE

Expect heavy substance, somewhat open flower. Size $2\frac{1}{2}$ "

DARK PURPLE

27—C. ACHINE X BC. HARTLAND

A Fall bloomer. Sizes 3", 4" and 5"

70—(LC. FIREFLY X C. THEODORE) X BC. HARTLAND

A dark Winter bloomer. Expected color-salmon to deep rose. Size Plant Bands $2\frac{1}{4}$ x $2\frac{1}{4}$ "

81—POT. BELGRAVIA X LC. COLEMAN BERWICK 'APEX'

A December bloomer, red on dark lavender. Size Bare root from flats $2\frac{1}{2}$ " to 3" high
\$1.50 each

676—BLC. DAWN ANGELA 'MAGNIFICA' X POT. RED FRIAR

A Winter bloomer, very dark, with heavy texture. Sizes 2", $2\frac{1}{2}$ ", and 3"

1774—(SLC. WINDSOR X SLC. TRIZAC) X SLC. ANZAC 'ORCHIDHURST' FCC. RHS.

Winter-Spring flowering. Pink to plum-red Heavy texture. Size $1\frac{1}{2}$ "

WHITE WITH PURPLE LIP

6—LC. ALLIE BELLE TERRY

An Easter to Mother's Day bloomer. Sizes 3" and 5"

659—LC. LILY PONS

Heavy producer, Spring and early Summer bloomer. Sizes $2\frac{1}{2}$ " and 3"

950—L. PURPURATA 'ORCHID KNOLL' X C. ENID ALBA 'MILDRED'

Spring bloomer. Robust and very productive growers. Size 5"

DENDROBIUM PHALAENOPSIS

DENDROBIUM PHALAENOPSIS
(Dixon's Strain) X
DENDROBIUM LADY CONSTANCE

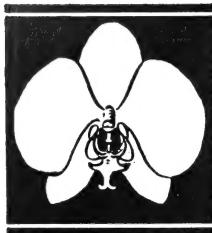
Fine shaped flowers. Dark red.
Size $2\frac{1}{2}$ " pots to flower this Fall.

\$3.00
each

FLASKS 500cc • CYMBIDIUMS • PHALAENOPSIS

Write for list of crosses available
now and for future delivery.

We book orders in advance as
supply is limited.



Phalaenopsis

| Pot Size | Price each | Price per 10 |
|----------|------------|--------------|
| 1½" | \$ 1.25 | \$ 11.50 |
| 2½" | \$ 2.50 | \$ 22.50 |
| 3" | \$ 4.00 | \$ 37.50 |
| 4" | \$ 7.50 | \$ 67.50 |
| 5" | \$12.50 | \$112.50 |

8—DORIS

Flowers of heavy substance and good shape. Spike habit is short, flowers closely spaced. Sizes 2½", 3", 4" and 5" pots

15—ROTARY ANN 'GEORGE' X CHIEFTAIN K299

Large flowers of nice shape and good substance. Good blooming habit. Sizes 2½", 3" and 4" pots

28—37—42—43—ROTARY ANN X WINGED VICTORY

Excellent producer. Long arching spikes, often with laterals. Sizes 2½", 3", 4" and 5"

31—(ALTADENA X INNOCENCE) X WINGED VICTORY 'SUPREME'

Large flowers of good substance, a good many have been closed flowers. Sizes 2½", 3", 4" and 5" pots

38—PINK GLORIANA

A nice pink. Mature plants should have showers of blooms up to 50 on a spike, medium size. Sizes 2½", 3" and 4" pots.

40—GLORIANA

Nice, round compact deep pink flower. Schilleriana type. Sizes 2½", 3" and 4" pots

46—WINGED VICTORY

We selected two of our finest Winged Victory for this cross. Long spikes of heavy textured flowers. Excellent commercial flower. Sizes 1½", 2½", 3", 4" and 5" pots

57—GRACE PALM

Larger than No. 60 and a little more open flower. Sizes 2½", 3", 4", and 5" pots

58—ROTARY ANN X CHIEFTAIN

Flowers of both were large for seedlings, being 4¾" x 4½". The petals of both overlapped the dorsal sepal and Chieftain was of very heavy texture.

Sizes 1½", 2½" and 3" pots

60—GRACE PALM

A vigorous grower of fine commercial quality flowers. Sizes 4" and 5" pots

65—CHIEF TUCKER

Previous crosses of these two parents have given excellent results. Large and full. Sizes 1½", 2½", 3" and 4" pots

66—DIANE CLARE 'QUEEN' X DORIS 'FINE'

Both parents round, overlapped flowers of heavy substance.

Sizes 1½", 2½", 3" and 4" pots

67—GRACE PALM

We used the same Winged Victory 'Cobra' in this cross that we used in our very successful No. 60. Sizes 1½", 2½", 3" and 4" pots

69—WINGED VICTORY 'ADMIRAL' BRONZE CERT. ODC. '56 X SELF

Our very best Winged Victory selfed. Sizes 1½" and 2½" pots

73—CHIEF TUCKER NO. 2 X SELF

Our very finest Chief Tucker selfed. Sizes 1½" and 2½" pots

75—CHIEF TUCKER NO. 1 X GRACE PALM NO. 1

This should be a definite advancement in Phalaenopsis breeding. Both parents ½ Doris. Sizes 1½" and 2½" pots

Also available after July 1st

89—CHIEF TUCKER NO. 3 X (FIELDS X DORIS) NO. 2

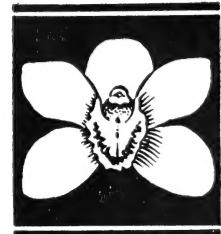
Again fine breeding with Doris hybrids for finer quality from selected stock. Size-Leaf length 1" to 1½" \$1.25 each

The first seedlings of our Award Winning TOMMY TUCKER 'MONARCH' AM. AOS. AND SILVER CERTIFICATE ORCHID DIGEST CORPORATION JANUARY 1956 with 84.5 points, will be available about July 1st, 1956 with leaf length 1" to 1½".
76—TOMMY TUCKER 'MONARCH' X (FIELDS X DORIS) NO. 1 Premium price—\$1.50 each

AALSMEER ROSE
(Ruby FCC. RHS. X Marmouset)
2½" pots—\$5.00 each
Fine dark pink, 3¼" to 3½" flowers—Early bloomers
Limited Quantity Available

Cymbidium Seedlings

| Seedling leaf length | Price per each | Price per 10 | Price per 100 |
|-------------------------|-------------------|-----------------|------------------|
| 4" to 6" | \$2.00 | \$18.00 | \$160.00 |
| 6" to 8" | \$2.50 | \$22.50 | \$200.00 |
| 8" to 12" | \$3.50 | \$31.50 | \$280.00 |



SEEDLINGS OF ALEXANDERI 'WESTONBIRT' FCC. RHS.

Undoubtedly the finest stud cymbidium today. You have only to look at the awards given to its progeny to realize that it completely dominates the cymbidium world. Each year, at shows, its supremacy is challenged but has not been met. To its progeny it imparts vigor of growth; substance, size and texture in their flowers. Enjoy the BEST, buy ALEXANDERI 'WESTONBIRT' HYBRIDS.

COLOR EXPECTANCY—GREEN

ALEXANDERI 'WESTONBIRT' X ADARISSA 'PERIDOT'

The Adarissa used here has long, arching sprays of well shaped flowers of heavy texture in a fine clear green. Crossed with Alexanderi 'Westonbirt' should produce well shaped flowers in various tones of green Size 4" to 6".

COLOR EXPECTANCY—GREEN AND LIGHT YELLOWS

ALMERALDA (Esmeralda 'Dorothy' X Alexanderi 'Westonbirt').

Esmeralda 'Dorothy' is a green color of fairly large shape. Gives light yellow, some greens and some whites. Very nice flowers. Sizes 6" to 8"; 8" to 12".

CALIFORNIA (Alexanderi 'Westonbirt' X Blue Smoke 'Beverly Glen' C Bronze).

The Blue Smoke used here is undoubtedly one of the finest greens seen to date and is a Bronze Medal winner. It has a fine lip and is a heavy bloomer. Will produce light to medium greens and yellows. Sizes 6" to 8", 8" to 12".

COLENE TRITZ X ALEXANDERI 'WESTONBIRT'

The pod parent was one of the finest of the Armacost & Royston production of the Rio Rita X Plover 'Orient' cross in 1951. It is a very fine green with dark red lip. We expect flowers of top commercial quality in yellow and light greens. Sizes 6" to 8", 8" to 12".

GWEN SHERMAN (Miretta 'Glendessary' X Alexanderi 'Westobirt')

This Miretta won best seedling in the show in Santa Barbara in 1950 and later received a Bronze Medal from the Cymbidium Society, Inc. that year. It is a beautiful large clear green with a crimson lip. Colors are light greens, yellows and possibly a few whites. Sizes 6" to 8", 8" to 12".

JADE (Pearl 'Mastiff' X Alexanderi 'Westonbirt')

Another proven good cross and a strong grower. Clear pastel colors. Yellows, light greens and some whites. Sizes 6" to 8"; 8" to 12".

OREAD X ALEXANDERI 'WESTONBIRT'

Oread is a very fine green similar to a good Claudona. It usually has twenty or more flowers nicely spaced on the spike. With Alexanderi 'Westonbirt' the cross should produce good shaped flowers in light green, some yellow and a few white or light creams. Sizes 4" to 6"; 6" to 8".

COLOR EXPECTANCY—YELLOW, CREAMS

ALEXANDERI 'WESTONBIRT' X SUSSEX 'LAELIA SASSO'

The pollen parent, Sussex 'Laelia Sasso', won an Award of Distinction in Australia in 1947. It produces large flowers of excellent shape that are yellow heavily overlaid with red giving a rich, coppery tone. We expect yellows, creams and some whites. Size 4" to 6".

GRACE MITCHELL (Alexanderi 'Westonbirt' X Apollo 'Exbury' FCC. RHS.).

This cross has proved to be a free bloomer and good grower. Flowers are well shaped and nicely spaced on the stem. Colors are yellow, yellow with pink overlay and some light pinks. Sizes 6" to 8"; 8" to 12".

RADAK 'GOLD' X ALEXANDERI 'WESTONBIRT'

This Radak is owned by Paul Weber of West Los Angeles. It has clear yellow flowers, nicely spaced on a long, arching spray. We expect deep and light yellows and some whites. Size 4" to 6".

COLOR EXPECTANCY—PINK AND ROSE**ALEXANDERI 'WESTONBIRT' X LOWVILLE (Roger's Red)**

This is one of the best Lowvilles available with fine, deep color. We expect some very fine pink and rose shades from this cross. Sizes 8" to 12".

GLENDORA (Doris Aurea 'Petit Noir' X Alexanderi 'Westonbirt').

This Doris Aurea is an exceptionally good red. We confidently expect flowers of good shape in shades of pink to rose. Should prove very popular. Sizes 6" to 8".

ROSEMARY UPTON (Verona 'deep red' X Alexanderi 'Westonbirt').

We feel that this cross is one of the best that we have to offer in pink. Vigorous growth is already apparent and as in most triploids good size and uniformity of habit will result. We anticipate light and deep pinks with a few whites. Sizes 4" to 6"; 6" to 8".

COLOR EXPECTANCY—WHITE**ALEXANDERI 'WESTONBIRT' X TANAGER**

Tanager is Louis Sander X Flamingo 'Nobilior', a very fine white registered in 1953 by Dr. Wm. Stirling of Cheshire, England. This cross should produce many exceptionally fine whites as well as white flushed with pink. Size 4" to 6".

DICKINSON'S WHITE X ALEXANDERI 'WESTONBIRT'

The pod parent is an outstanding pure white concolor. The flowers are medium size and of good shape. Should produce a large percentage of fine whites. The seedlings are vigorous growers, many of them growing to 8 inches in less than a year from the flask. We feel this to be our top cross in white seedlings. Sizes 4" to 6", 6" to 8".

The following crosses were made to give more intense coloring in the flowers and more flowers to the spike than is usual in 'Westonbirt' hybrids.

COLOR EXPECTANCY—GREEN**BLUE SMOKE 'GREEN MEADOW' X MIRETTA 'LONG LIP'**

This cross of two fine greens is expected to produce long arching sprays of 20 to 24 flowers with dark red lip. Sizes 6" to 8"; 8" to 12".

FAY WILSON X MIRETTA 'GLENDESSARY'

This cross should give that clear apple green shade that is so much desired. There should be plenty of flowers on long arching stems. Sizes 4" to 6".

COLOR EXPECTANCY—RED**DORIS AUREA X CLARISSA 'ALMYRA'**

Two very fine reds were used in this cross. We feel that this is one of the best potentials for good, dark reds. Sizes 4" to 6"; 6" to 8".

THE TWO FOLLOWING CROSSES ARE PRICED AT

6" to 8"—\$2.00 each

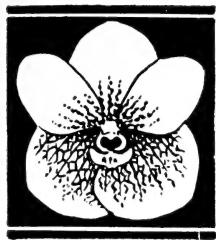
8" to 12"—\$3.00 each

COLOR EXPECTANCY—GREEN**FREDERICA X SICILY**

An attempt for a green flower of good quality for the Christmas trade. Sizes 6" to 8"; 8" to 12".

FRIVOLITY 'ALBA' X BLUE SMOKE 'GREEN MEADOWS'

This cross should produce plenty of green and yellow flowers of commercial quality. A good grower. Size 6" to 8".



Vanda Seedlings

| Pot Size | Per Each | Per 3 | Per 10 |
|----------|----------|---------|----------|
| 3" | \$ 5.00 | \$12.50 | \$ 45.00 |
| 4" | \$ 8.00 | \$19.50 | \$ 72.50 |
| 5" | \$12.00 | \$29.50 | \$108.00 |
| 6" | \$15.00 | \$37.50 | \$135.00 |

Our seedlings this year are a very nice cross section of Sanderiana Hybrids from Hawaii. To get some unusual colors, we have included some other parents where indicated.

The following are all Sanderiana Hybrids or progeny thereof. We, therefore can expect pink and shades of pink to predominate. Where other colors are expected, they are so indicated.

Pot Sizes

Available

PINK AND BLUE

5" and 6" **SANDAMO** (*Amoena X Sanderiana*). Large flat flowers, good shape.
4" and 6" **ONOMEA** ($\frac{3}{4}$ *Sanderiana*, $\frac{1}{4}$ *Coerulea*) Large flat flowers, erect stem.
All **BETTY WONG** (*Julia Sideris X Clara S. Fisher*). Should give large flower with free blooming habit.

YELLOW, CREAM, BROWNS

4", 5", 6" **ELLEN NOA**. Large flower, yellow with green spots.
6" **ELLEN NOA X (Phallax X Burgeffii)** Large flat flowers some with brown tones
6" **LYNN OTA** (*Sanderiana X Henrietta Ho*). Excellent shape, large and flat, some brown.
4", 5", 6" **VENUS** (*Paki X Sanderiana*). Medium size, flat, good shape, some yellows.
All **YOLANDA** (*Manila X Clara S. Fisher*). Rose-brown, Sanderiana type, heavily spotted.
4", 5", 6" **SANCON** (*Concolor X Sanderiana*). Brown flower, good bloomer.

PINK AND ROSE

All **CLARA S. FISHER X OHUOHU**. This is line breeding Sanderiana with a continuous flowering season in mind.
6" **MARIE LLOYD MIDKIFF** (*Monacensis X Manila*). Large flowers tending toward red.
All **JOE MING JAY** (*Burgeffii X Ohuohu*). Deep pink Sanderiana line breeding for more flowers and higher color.
All **ZUIDZEE** (*Burgeffii X Manila*). Sanderiana line breeding toward red intensity.
All **BURGEFFII X CLARA S. FISHER**. Sanderiana line breeding by selection of best flowers of two crosses.
All **RADFISH** (*Admiral Radford X Clara S. Fisher*). Large flowering type with possibility of dark reds.
All **RADMAN** (*Manila X Admiral Radford*). Deep red pink, large, well shaped flowers.
All **TATZERI X MANILA**. Deep pink, heavily spotted with deeper color.
All **TATZERI X OHUOHU**. Sanderiana line breeding for increased flowers.

DEEP ROSE TO RED

All **MARY FOSTER X ELLEN NOA**. Primarily red, some yellow or bronze shading, large flower.
All **SAMUEL B. SHERMAN X ADMIRAL RADFORD**. Red to rust brown flowers, shape open as Sanderiana is quite a ways back in this cross.

RED

All **JULIA SIDERIS 'PURPURIUM' X MERRILLI 'RED DEVIL'**. Small amount of Sanderiana but lots of color.

GREEN

All **OHUOHU X SAMUEL B. SHERMAN**. Expect some green to brown shades.
6" **HALELENA** (*Burgeffii X Trisum*). Large, fragrant, greenish to brown.

SOME FINE CROSSES WITHOUT SANDERIANA CHARTRUESE

All **MEM. T. IWASAKI X DENNISONIANA**. We expect a chartreuse green flower from this cross. Excellent flowering habit of easy culture.

VANDAS (Continued)

CREAM AND WHITE

6" **SUAVIS** (From seed). Flowers were 2½" to 3", very fragrant. Twisted petals, spotted or barred with deep purple to red brown. Heavy flowering habit.

BLUE

4", 5", 6" **FRANKENSTEINIANA** (Herziana X Coerulea). For clear, blue flowers, four to eight spikes a year and easy to grow.

Vanda

NELLIE MORLEY

Seedlings from original Hybridizer

2½" pots—\$5.00 each

AFRICAN VIOLETS

A large and very special department of the Tropical Gardens is devoted to African Violets. Our collection, one of the largest on the Pacific Coast, has been judged one of the finest. In one year, our entries won both first prizes for African Violets at the California State Fair. If you are interested in these most popular house plants, we will be happy to send you our separate catalog on African Violets.

A PERSONAL INVITATION

Whenever you are in Santa Cruz—75 miles south of San Francisco—we would be happy to meet you personally and show you our stock. We are open every day, including Sunday, from 9 A. M. to 5 P. M.

To reach the Tropical Gardens, take the Santa Cruz-Watsonville Freeway Highway No. 1 from Santa Cruz to 41st Avenue and turn right one mile.

SHIPPING INSTRUCTIONS

Packing is free of charge for all plants listed here. Prices F. O. B. Santa Cruz, California, in U. S. Dollars. In California, add 3% state sales tax.

In order to avoid unnecessary delays and misunderstandings, please specify clearly method of shipment. Otherwise, shipment will be made via Railway Express collect. We recommend that all shipments east of the Mississippi and to foreign countries, be made by Air.

California purchasers will be pleased to learn that their plants will not be delayed for inspection on arrival in any County in California except Ventura, and Tulare Counties, which are not yet in the "Pinto Tag" program. The "Pinto Tag" on your shipment certifies that our greenhouses have been California State inspected and certified clean.

SHAFFER'S

TROPICAL GARDENS

1220 41st Avenue Santa Cruz, California

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